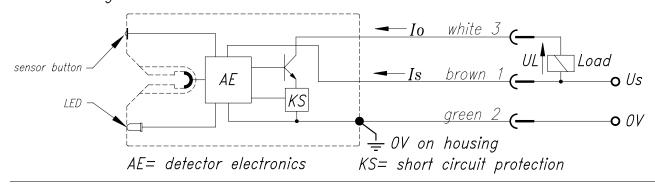


## Connection diagram:



## Data:

Application : For staple fibre yarn and filament yarn at speeds higher than

10m/sec. (600m/min.). The detector is working independent of titer as long as the yarn is touching the bottom of the yarn guide

at the point A.

Supply voltage Us : 24VDC ± 25%; max. Ripple 100Hz: 20% max. Ripple 300Hz: 20%

Supply current Is : max. 12 mA

Switching ON delay tpon : Switching ON will result only during the uninterrupted running of the

yarn and during the time tton.

Reaction time tr: tr = ca. 0.015 sec. (after yarn break)

: yarn is running: Io = OA

Current Io yarn is not running, after reaction time tr: Io = max.1.6A 10%ED;

Io = max.0.5A 100%ED

Load voltage UL : UL = Us - 3V

Function of sensor button : By touching the sensor button the detector is switched in the "OFF"

position, this is indicated by the illuminated LED.

Switch "ON" delay than : After the yarn has been running uninterruptedly during the time than

= ca. 4 sec. the detector is switched ON automatically; LED turns OFF.

Function of the LED : is illuminated if detector is in "OFF" position

Delay time td; after the yarn begins to run: td max. = 0.05 sec.

Mounting : Yarn detector must be properly grounded to the machine body by

means of the mounting bracket. (Minimum cross-section of mounting

bracket: 20mm x 1.5mm).

 Yarn detector 8033
 694C
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